0611

SOUTHERN PACIFIC CO.
SAN FRANCISCO
MAY 5 1905
PASSENGER DEPARTMENT
SOUTHERN PACIFIC CO.
SAN FRANCISCO
JUL 3 1931
ENGINEERING DEPARTMENT
105359
The H[illegible] Udd Co.
Give above number when ordering
56370
0612

Location

Sacramento to Walnut Grove

Sacramento County California

Book No 4

Location Line "E"

Transit Notes from Sta 1294+75 to Sta 1423

from about 4 Miles South of Courtland to Walnut Grove

F.D. Browne	asst Engr.	S.F.
F.D. Boulette	Transitman	S.F.
Edward Webster	Draughtsman	S.F.
J.C. Alstrom	Level	St Helena
F.B. Oliver	Office	Oakland
J.E. Smith	Rodman	S.F.
J.W. Warren	Head Chain	Santa Barbara
R.G. Haggard	Rear "	S.F.
Thos Berkley	Backsighting	S.F.
E. Brekard	Stakeman	Sacramento

Feby. March & April 1904

Location of Lockes Pump and Pipe Pgs-64.

E Line. Abandoned Pages 1.-30.

Topography at Walnut Grove 31

"E" Line. Abandoned 32-42

"A" Line, "E" 1415+83.5 = "A" 1415+83.5

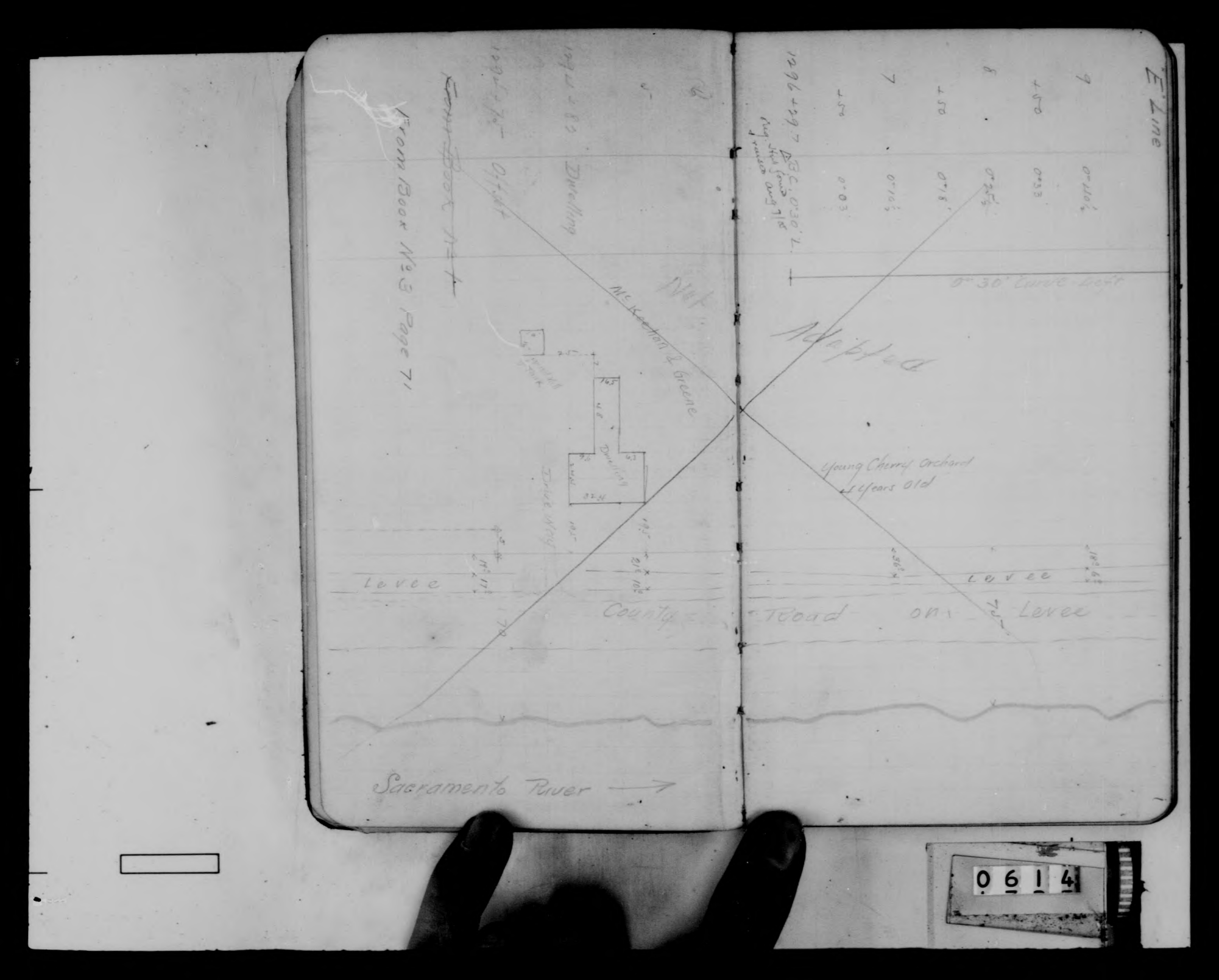
to "A" 1455+38.4 = "E" 1454+06.5

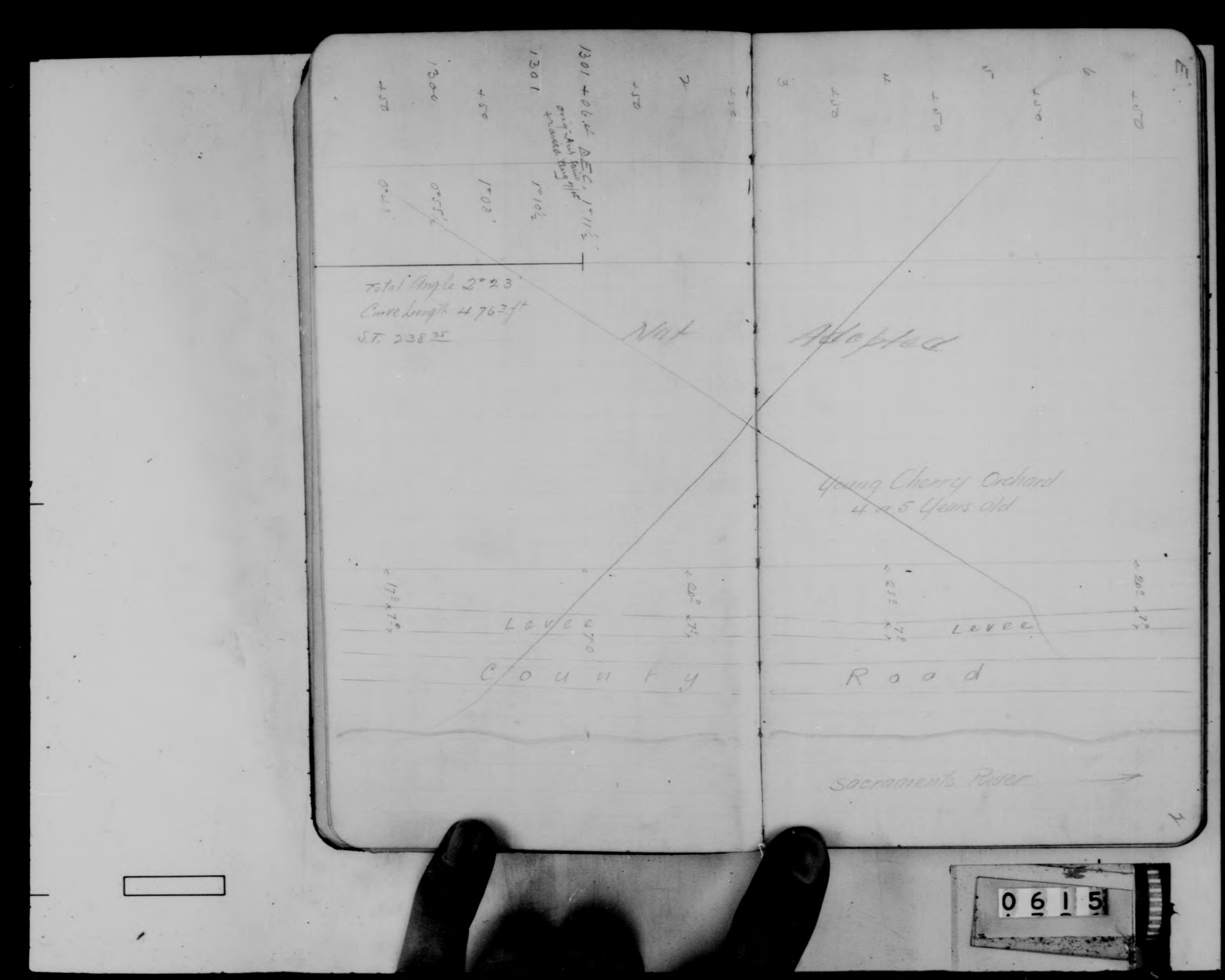
line abandoned 50-62

"D" Line. "E" 1012+62.8 = "D" 1012+62.8 to

"D" 1029+25.9 = "E" 1029+31.8, line abandoned 68-70

0613


E' Line
9
+50
8
+50
7
+50
0°30' Curve Left
Young Cherry Orchard
4 years old
Levee
Levee
County Road on Levee
Sacramento River
Dwelling
Drive Way
NE Section 2 Greene
From Book No 93 page 71
0614


1301 + 06.47 ℄ E.C. 1°11½'
Spring Arch Point of tangency
1301
1°10½'
1303'
0°35½'
1300
0°43'
+50
+50
+50
+50
+50
+50
+50
+50
Total Angle 2°23'
Curve Length 476.7 ft
S.T. 238.35
Not
Adopted
Young Cherry Orchard
4 to 5 Years old
Levee
Levee
County
Road
Sacramento River
0615

1315 +45.5 EC 3°01'

1315 2°50¾'

+50 2°39½'

1314 2°28'

+50 2°17'

1313 2°05¾'

+50 1°54½'

1312 1°43'

+50 1°32'

1311 1°20½'

+50 1°09½'

1310 0°58'

+50 0°47'

9 0°35¾'

1308 +67 Dwelling

+50 Orig. Stub found orig 7/25 0°24½'

8 0°13¼'

+50 0°02'

1307 +41.2 B.C. 0°45' R.
Orig Stub found + Tacked orig 7/25

1307

Total Curve 6°02' R
Curve Length 602.4 Ft
102.4 beyond P.T.

Roach Orchard 25 Years Old
Adopted

Not

Dwelling 34.2

Private Roadway

< 15° × 15.2

< 22° × 7.2

< 24° × 7.5

< 9.5 × 1

< 20° × 7.5

Levee

Road

County

Levee

Sacramento River

April 23rd 1904

3

0616

E

4

1325+98.9 ℄ EC. 1°32½'
original station
new ing ang 8/28

+50	1°25'
1325	1°17½
+50	1°10'
1324	1°02½'
+50	0°55'
1323	0°47½
+50	0°40'
1322	0°32½
+50	0°25'
1321	0°17½
+50	0°10
1320	0°02½

Total Angle 3°05'
Curve 616.67 ft.
S.T. = 308.41 ft.

1323+57

Birch Orchard 25 years old

Levee

Road

Adopted

Changed from 1 Story Hse. & Outbuildings to Cannery

Levee

Levee

County

Lester Greene

Not

Peach Orchard 35 Years Old

Sacramento River

1319+82.7 ℄ BC. 0°30' L
orig station ahead
orig ing ang 8/28

1319	
+50	
1318	
+50	
1317	
+50	
1316	
+86	Fence Line
+71	Private Roadway
+56	Fence Line
+50	S McKeehan & Greene.

99°00'

P.J. Van Liebensels Roadway

Q.B.

Levee

0190

E

5

+50

1330

+50

+19

1329

+50

1328

+83 Freight Shed

+69 Private Road way

1327

1326 +44 Dwelling

Ditch Report Line

W. C. Eastman

Lester Greene

Not Adopted

+50
+12
1338
+50
6
+50
1337
+12
5
+50
4
+50
3
+50
1332
+12
1331

Levee

Levee

County Road

Sacramento River →

6

0619

E.

+50

1346

+50

1345

+50

1345

+50

1345

+50

1345

+50

1345

+50

1329

+75 Road & Property line

+68

+62 Fence

+62

+17.5 Dwelling

1341 +90 Fence

+50

+38 Garden Fence

+50

+50

+50

+50

A.C. Eastman

N 10°

S.E. King

Apple + Apricot Orchard 25 Yrs

Adopted old

+ Plowed Ground Potatoes

Levee

County Road

Levee

Sacramento River

April 4th 1904

0620

Not Adopted

Levee

County

Sacramento

Levee

Road.

River →

0621

0622

1359

1358+96.1 E 1°25½' E.C.
rng stub South
Ang 0°00

+50 1°18½'

8 1°11'

+50 1°03½'

7 0°56'

+50 0°48½'
+06 Levee
+01 Fence

6 0°41'
+90 Private Road N&W

+80 0°38'
rng stub South
+50 Ang 2°0°33½'

5 0°26'

+50 0°18½'

4 0°11'

+50 0°03½'

+26.1 BC. 0°30'L
rng stub South Ang 2°05

1253
+83 Dwelling
+bw.6 Fence

0°30' Curve left
Ang 2°51'
Curve Length 570 ft
S.T. 285.00

Property Line
Wire + Rock Fence

Pearson Recpn Dust
Back Levee

Apricot orchard
25 years old

Road on Levee

Geo Locke

See Level Book # 8, page 9.
See Cross Section Book # , page 32.

< 25° x 17°

< 19° x 18°

1356+27

33.4' Tangent produced

< 12° x 20°

River

Sacramento

County

Levee

Mrs. Hatfield

J.E. King

Fruit garden.

1353+13.5 Fence

344

Dwelling

192

Fruit + Shade

64'

< 20° x 9°

< 20° x 9°

0°45' Curve R.
Jap House
Frame House
Brick House
Barn
Barn Yard
Road on Levee
River
B.C. 0°45' Curve R.
Apricot Orchard
25 Years old
County
Sacramento
1360 + 63.9
1360
+50
+07
+68
+50
+50
+50
0°30½'
0°19½'
0°08'
0°53'
1°15½'
1°44½'
1°38'
1°31'
1°27'
425
10.

0623

7	2.23'	+50	1.67'
1366	2.00'	+52	1.96'

Apricot orchard
20 years old

11' x 11'

18' x 15'

County

Sacramento

8	3.45'	+55	2.34'
9	3.08'	+52	2.57'

0°45' Curve Rt

15' x 21'

Road on Levee

River →

11

0624

1	3° 53'	2	4° 27'
1370	Δ 3° 30½'		4° 15½'
			4° 04½'
	3° 42'		
	3° 19½'		

0°45' Curve Rt

Apricot Orchard
75 years old

Δ 17° × 22° ×

Δ 16° × 18° ×

Δ 19° × 20° ×

County Road on Levee

Sacramento River →

12

0625

6

S 45½ E

+50

+20

1375

+75

Road

Levee

0-45' Curve Rt

* For Notes of Backing Irrigation Pipe see page 104

Apricot Orchard
25 Years Old

Peach Orchard
20 Years Old

Pump House
Machinery in place

36.5'

14.5'

15° x 22°

26° x 17°

on

Levee

County Road

Sacramento River →

1374

+50

S 00½ W

+50

S 12' W

+50

Gate from Pump House

1373

+50

S 49½ W

+50

S 38' W

13

0626

1379+17 ℄ Co. 1.57 ℄ 1'30' Curve R

9 ℄ 2.42 ℄ S 38° 00' W

8 ℄ 2.42 ℄ S 38° 00' W

1377+81.2 ℄ 1.30' ℄ S 38° 00' W

1377 ℄ 80.0 ℄ S 38° 00' W

0°45' Curve Rt ℄ 61.9 ℄ S 38° 00' W

angle in 0°45' Curve 13°54'

CC 1°30' R

County Road on Levee

Sacramento River →

April 5th 1904

14

0627

1387	5° 52¼		< 34°	< 16° >
+50	5° 29¾			
6	5° 07¼		< 32°	< 17° >
+50	4° 44¾		< 25°	< 17° >
5	4° 22¼			
+50	3° 59¾			
4	3° 37¼		< 20°	< 17° >
+50	3° 14¾			
3	2° 52¼			
+50	2° 29¾			
2	2° 07¼			
+50	1° 44¾			
1381	1° 22¼			
+50	0° 59¾			
1380	0° 37¼		< 12°	< 18° >

135' Curve P.I.

Adopted

End of Track, Mar. 1911.

Yonker Ranch
Orchard 5 years old

Beach Orchard
20 years old

On Levee

County Road

Sacramento River

0628

1391 8°52½'

+52 8°29½'

1390 8°07½'

+52 7°44½'

1° 30' Curve Rt

Adopted.

1388 7°22½'

+52 △ 6°59½'

1388 6°37½'

+52 6°14½'

Pear Orchard
20 years old

X

X

S 54° E

S 27° E

△ 2° 57'

Asphalt surface

16'

County Road

on Levee

Sacramento River →

0629

+50 11°29¾

"S" 11+69+66 To connect with "T" Line
E 1394+09 Δ on 1°30' curve Rt

1394 11°07¼

Continued from Transit Book #16, page 66.
See Level Book #8, page 13
See Cross Section Book # , page 45

+50 10°44¾

1393 10°22¼

1°30' Curve Rt

Apricot Orchard
Sulphur & old

Levee

Road

River

Adopted

Dwelling
HF

Yard

+64 Dwelling

+50 9°59¾

+15. Private Road Entry

1392 9°37¼

+50 9°14¾

County

Sacramento

Young Peach trees
2 Olive trees

0630

1398 14° 07¼

+50 13° 44¾

Abandoned 136' Canal Rt

Mar Mt Mine

Tang prod back from 1410+32.4

Angle from chord 1376+00 to 1389+00 Reversed Curve

Fence 14' Rt

Ditch

Levee

County Road

+13.5 Fence & Property Line

1397 13° 27½

+65 13° 06½

+60 Lock's Levee & Private Roadway

+60 12° 59¾

RIVER

+15 Fence

Geo Locke

1396 12° 37¼

Young Bank Trees 3 years old

+50 12° 14¾

1395 11° 52¼

County Road on Levee

SACRAMENTO

063 11

1401 16° 22¼'

+50 15° 59¼

1400 15° 37¼

1° 30' Curve Rt

Abandoned Plowed Land

Abandoned Yard

+50 14° 29¼

1399 14° 52¼

Orig Stake Found Along Ditch

+34 Dwelling

+50 15° 14¾

Apricot Trees Broken down 2 Rows

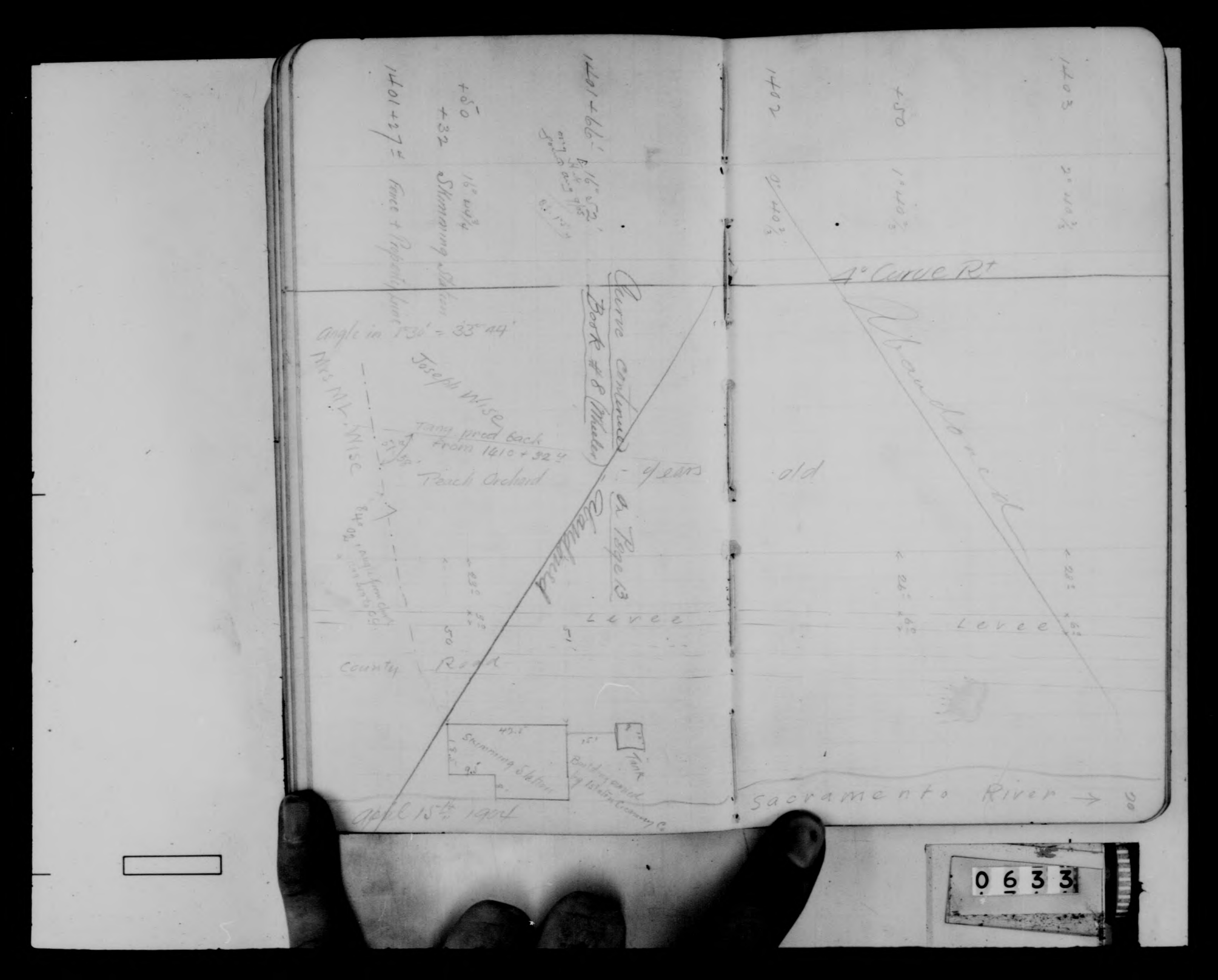
Levee

Levee

County Road

Sacramento River

0632


1403
+50
1402
4° Curve Rt
Sacramento
Levee
Curve continued
Book #8 (Wheeler)
Clarksburg
4 years
old
1401+66
16° 53'
Skimming Station
1401+27
Fence + Property Line
Angle in Fence = 33° 44'
Joseph Wise
Mrs M.V. Wise
Tank pried back from 1410+32
Peach Orchard
Levee
County Road
Skimming Station
Tank
Sacramento River
April 15th 1914

0633

+28 1+04 6°40½ Main Line

4° Curve Rt

Abandoned Road

+52 1+04 4° 40½

+52 3°46⅔ 5°40½

Abandoned Road

Peach Orchard 15 Years Old

30° 45° Levee 25° 25° Levee 47'

County Road

80

Ware House 32 40

Sacramento River →

0634

1406

25+

7.40 ac

8.46 ac

Abandoned

Peach orchard 15 years old

Levee

County

Sacramento

1407

25+

9.05 ac

10.46 ac

4.5 Curve Rt

Abandoned

Levee

Road

River

0635

14+08

+88

+52

14+08 +50

14+08 +22

12°40½'

11°40½'

13°07½'

Garden Fence

Dwelling

Garden Fence

Angle in 4" Curve 38° 15'

Frame Dwg 1½ Story 30x40 Brick Bldg

Shade Trees

Plowed Land

Pasture

Levee

Levee

County

Road

Sacramento River →

23

0636

1405+22

+82

Abandoned

Pasture

in ditch

180'

Levee

County

Sacramento

1404+12

+42

+80

Abandoned

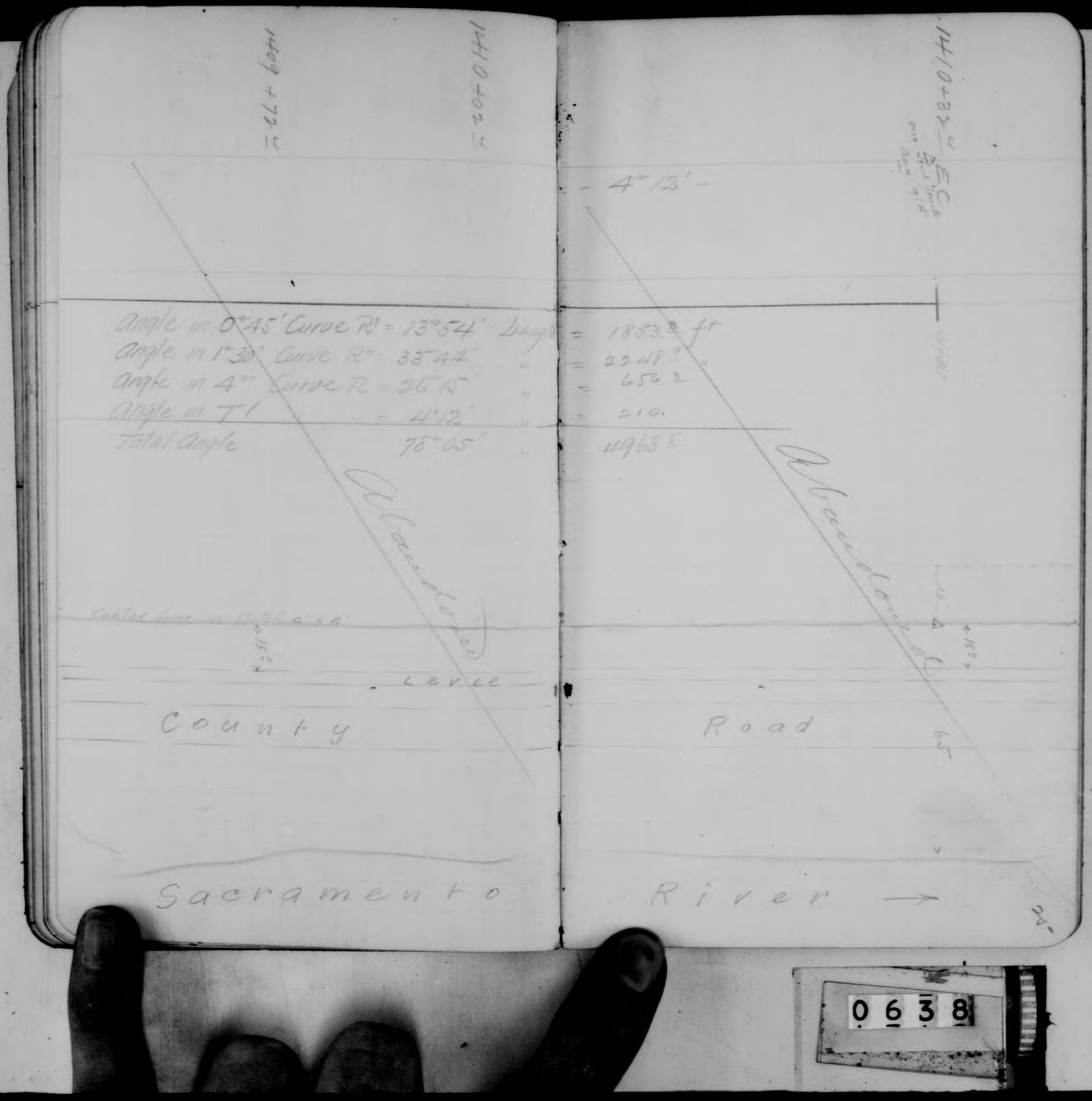
Levee

Road

River →

74

0637


1409+72 ±
1410+02 ±
1410+32 ±
- 4° 12' -
Angle in 0°45' Curve Rt = 13°54' Length = 1853.3 ft
Angle in 1°30' Curve Rt = 38°44' " = 2548.9 "
Angle in 4° Curve Rt = 26°15' " = 656.3 "
Angle in T' " = 4°12' " = 210.
Total Angle 78°05' " 1146.8 ±
Alexander
Levee
County
Road
Alexander Rd
Sacramento
River
0638

14+13

+52

14+11

+30

Ditch

+52

14+11

+52

Abandoned

Pasture

Plowed Land

Center line in Ditch

15°

10

12" Syphon Pipe

60

Lever

County

Road

Abandoned

Offset 10'

15°

70

0639

+622
Pepperwine
+52
+80
+59
+52
Dwelling
0.15'
0.45' Curve 4
Road
Barn
30
31
33'
Dwelling
28
LAWN
122
Levee
Road
J.S. Brown
1 Lot 80 x 122
Dr A.H. Martin
2 Lots 52½ x 122
Clause
Dr A.H. Martin
Joseph Wise
BC.
Abandoned
Road
County
April 16th 1904
Sacramento River
27

E

+52.8 Property Line (assumed)

+0.5.0

1418

1.00.0

1418.88 Fence

0°45' Curve

Joseph Wise - owns Strip of Ground 60ft wide

Fence

+0.5.0

+37

Dwelling

1.00.0

Fence

FLOOD

water

BARN

Roberto Lime

Fence

+25.8

+18.7

1418

0.0.1.2

Dwelling

+7.1

N.C. Mc Guiness 2 Units Kept @

Road Way

Dwelling

Dwelling

Vacant Property

LAWN

LAWN

Fence

Levee

County Road

Sacramento River

0641

14490

1.53 3/4

+52

1° 45' Curve

Proposed line of DITCH

Offset 66 acres

Flood Water

Fence 70.0

Joseph Wise has 60ft

O. Hallander has 70ft front and 80ft Back

A. Brown 5 Acres

Blacksmith Shop

Dwelling

Levee

County Road

0642

+93 House - End Sump Well Dug

+75 Fence S.E. Corner of House

1+62.3

+80 Dwelling

1+42.7+07.2 S.20°E.

Flood Water

Elevation

Dwelling

Dwelling

Sump

Sump

Sump

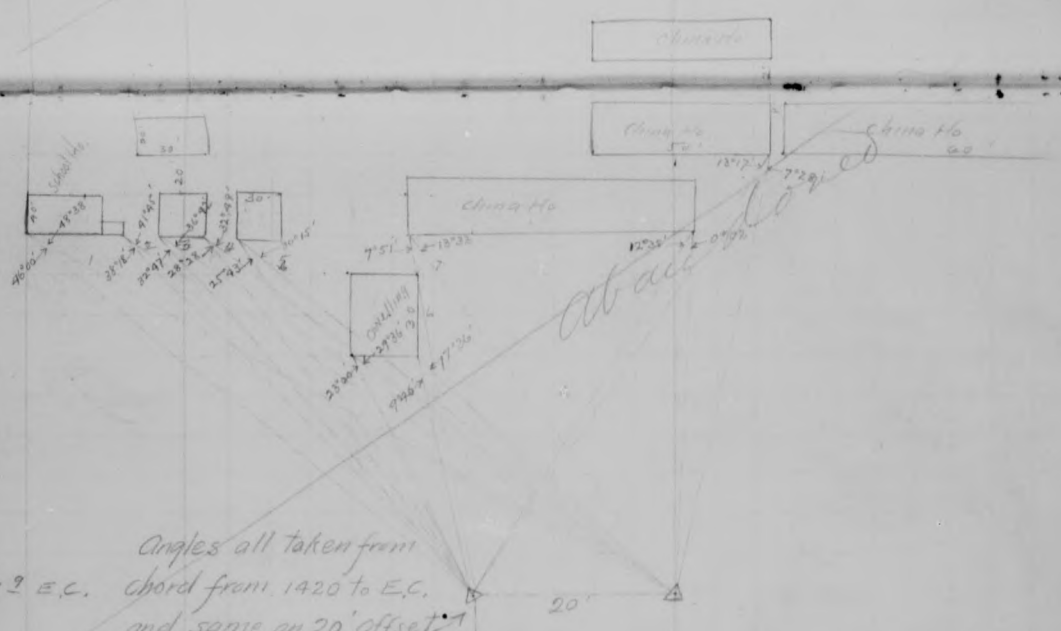
E

31

Abandoned

Angles to Buildings at End of Located Line "E"
at
WALNUT GROVE

Note. Location was suspended at this point on account of Land being Flooded



Angles all taken from chord from 1420 to E.C. and same on 20' offset

1422+07.9 E.C.

20'

09441

SCHOOL

Note: the lines between Japanese & Chinese Houses as shown on page 33 are carried through the blocks of Houses westerly, to the Alley below.

Z 527+42

WALNUT GROVE

Abandoned

50'

50'

81ft± China Shacks

66

184ft±

Alley

32.5'

Z 525+15

95°00'

159' China Shacks

62' China Shacks

100'

China Shacks

E 1423

E 1422+07.2 E.C.

90°00'

105.14'

102.08ft

Z 521+25

Z 518

"E"

This building repeated on next page.

Chinese

Vacant Lot

Chinese Shacks

Chinese

Note These buildings were measured up by means of offsets of lines as shown. These notes taken on Oct 1 1904.

450

1426

Abandoned

Chinese Shacks

450

1425

Abandoned

Note For the rides of buildings between those given here and those given on A Line, See Page 32, being a Z Line connection with Topography

450

1424

Chinese House

Property Line Between the 2 Tatoms on A Line

Survey Line through Chinese Quarter

14+28

+99.5 Fence (as staked ahead) Abandoned

Offset Line

+50

14+27

0647

1430+50

1431

1432

1433

+50

Abandoned

Abandoned

0648

1430

1433+58.2

1433+58.2

1430+37.2

Abandoned

Uncultivated

Abandoned

Uncultivated

offset for cultivated vineyard

vineyard

vineyard

1406

Abandoned

0649

1437

Barn

Work Shop

Abandoned

Pasture

Old Road

Orchard

Peach Orchard

Abandoned

Road

1438

1439

0650

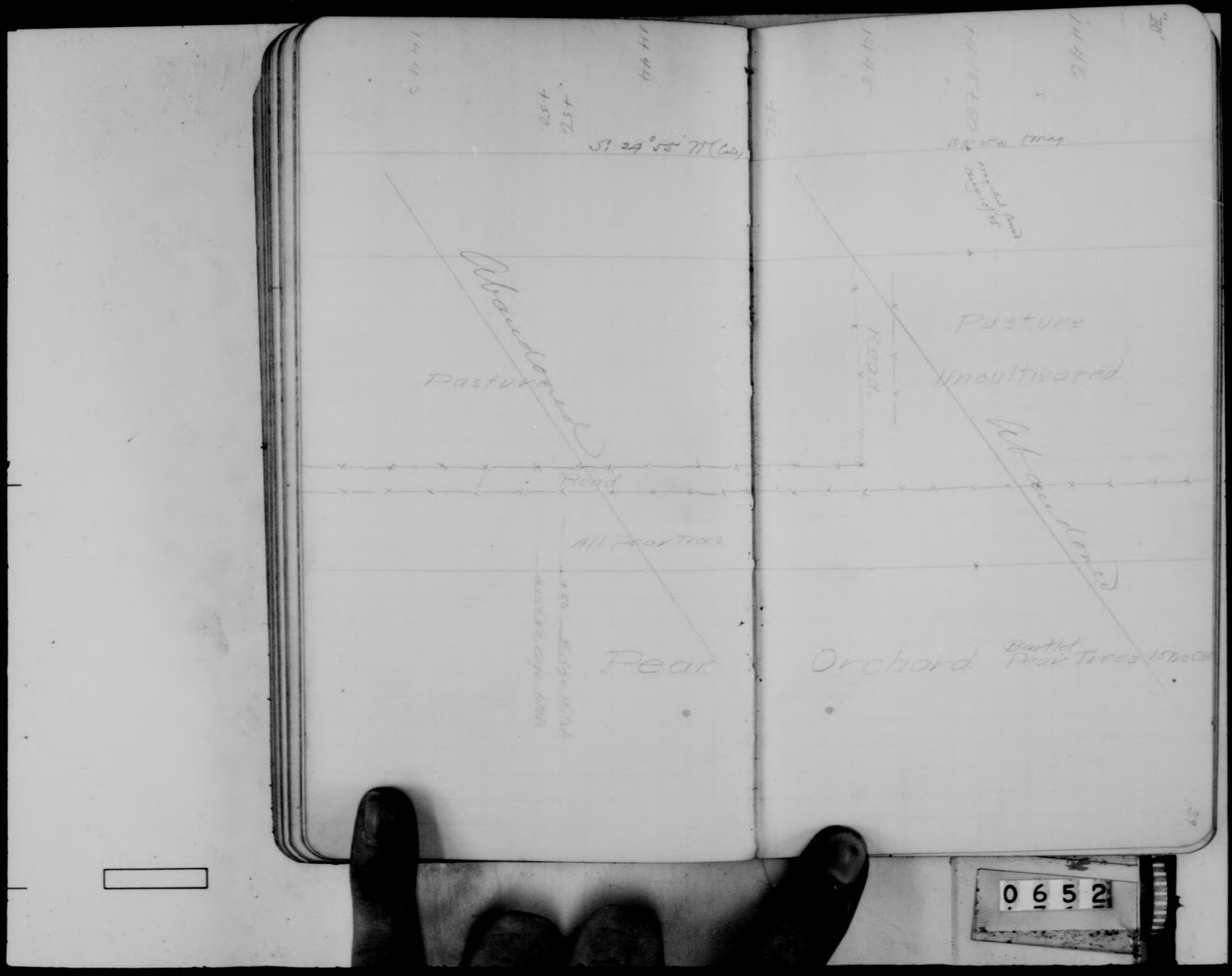
Abandoned

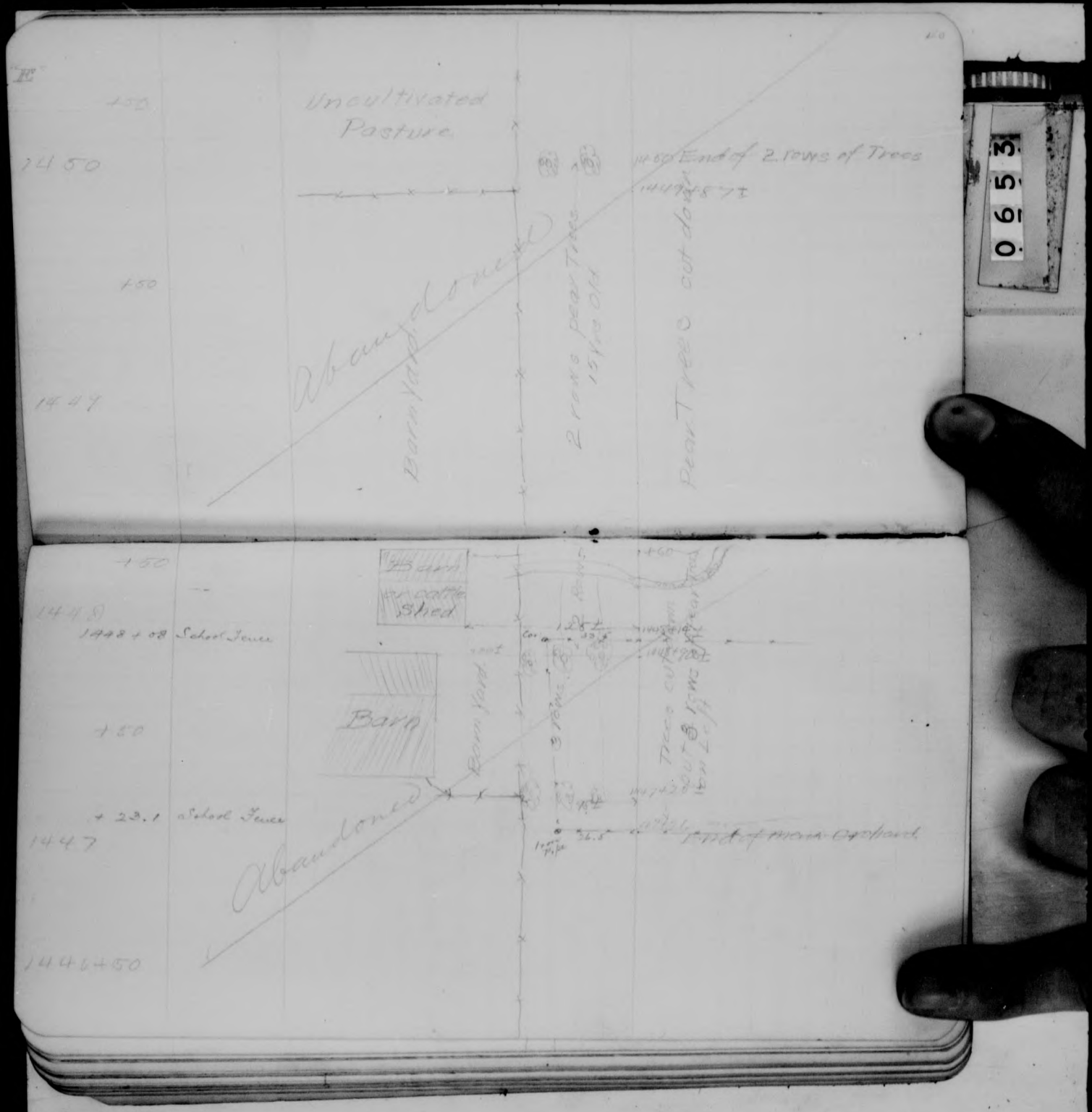
Road

Abandoned

Road to pasture

0651


S. 29° 55' W. (Calc.)
Abandoned
Pasture
Road
All Pear Trees
Pear Orchard
Pasture
Uncultivated
Road
Bartlett Pear Trees
0652


Uncultivated Pasture
1450
1447
1448
1446+50
+50
1448+08 School Fence
+23.1 School Fence
Abandoned
Barn Yard
2 rows pear Trees 15 ft's apart
Pear Trees cut down
Shed
Barn
Abandoned
End of 2 rows of Trees
End of main Orchard

0653

Abandoned

Abandoned

Lever Road

Lever Road

0654

0655

"E"

Abandoned

Mouth to B Entr. Slough

Sept. 29/64.

+50

Note This Slough is the end of Reclamation District.

Slough

Levee Farms on

Dam at end of

This Slough

N. Breach to Slough

98

Mapanese

Nurseries

Road Top of Levee

Georgiana Slough

4544 1065 Pt on Tamp.
4555 1384
1454

1409 N. Edge Mouth

14117+132

+532

+532

19116+232

T.ºl. Curvature = 3°09'

T.

S88°52'E.

Property Line No Fence

Levee Road

+932

B.M. 10 in Tang

B.C.

Back Tangent produced

Levee Road

This Line is Abandoned

0656

Main Curve Curvature = 3°01'
Length 868
Total Curvature = 9°19'
Semi-tangent = 2283
Taper #1 Curvature - 3°09'
Back Tangent Produced
Levee Road
Abandoned
Tangent Ahead
Levee Road
Abandoned

1422

1391

1370

Abandoned

Alex Anderson
Blacksmith
& Hairender

100'00"E

1420+10

S 20° 55' W

T.U.C.

Abandoned

Lever Road

1410+50

1400

1390

Abandoned

Lever Road

0658

14+22+07.8 Station

+50

14+23

0° 01½'

0° 20½'

+50

0° 32'

14+24

0° 43½'

+50

0° 54½'

14+25

1° 05½'

+50

1° 17'

Curvature = 2° 52'

P.C. 0°45' R.E.

Length = 382

Semi-tang = 191 14

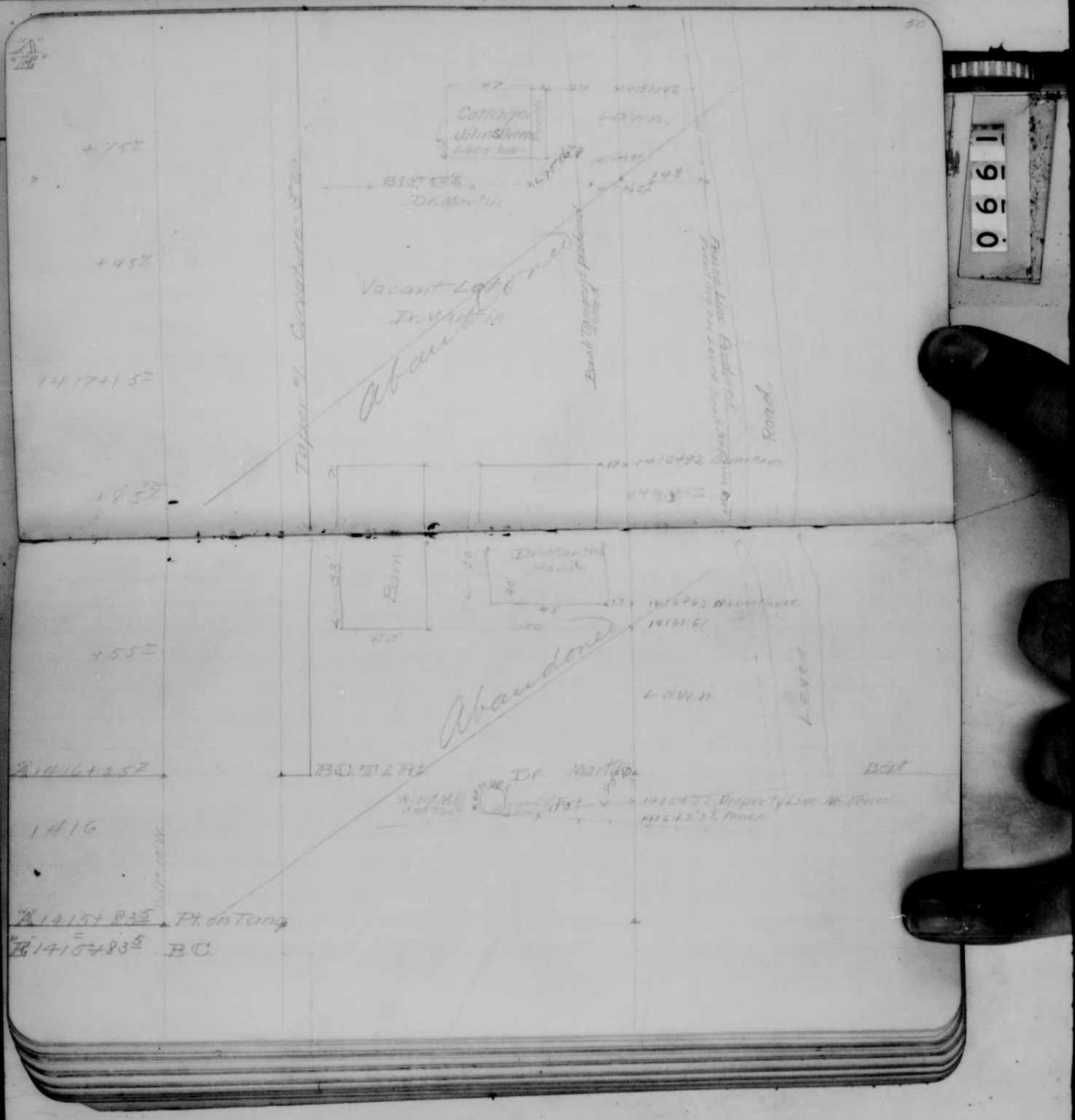
Abandoned

Abandoned

0659

N 25° 30' E, 137.1 m

0660


Cottage
Dr. Martin
Vacant Lot
Dr. Martin
Abandoned
Taper "A" Curvature
Back Tangent Produced
Property Line Produced
Road
Barn
Dr. Martin's House
Abandoned
Lawn
Lawn
Lawn
Dr Martin
BC
Property Line
Pt. on Tang.
B.C.

Curve = 3° 01'
Main Curve Length 868'
Total Curvature = 9° 19'
Semi-Tangent = 223.48'

Taper #1 Curvature 3°02'

Pasture

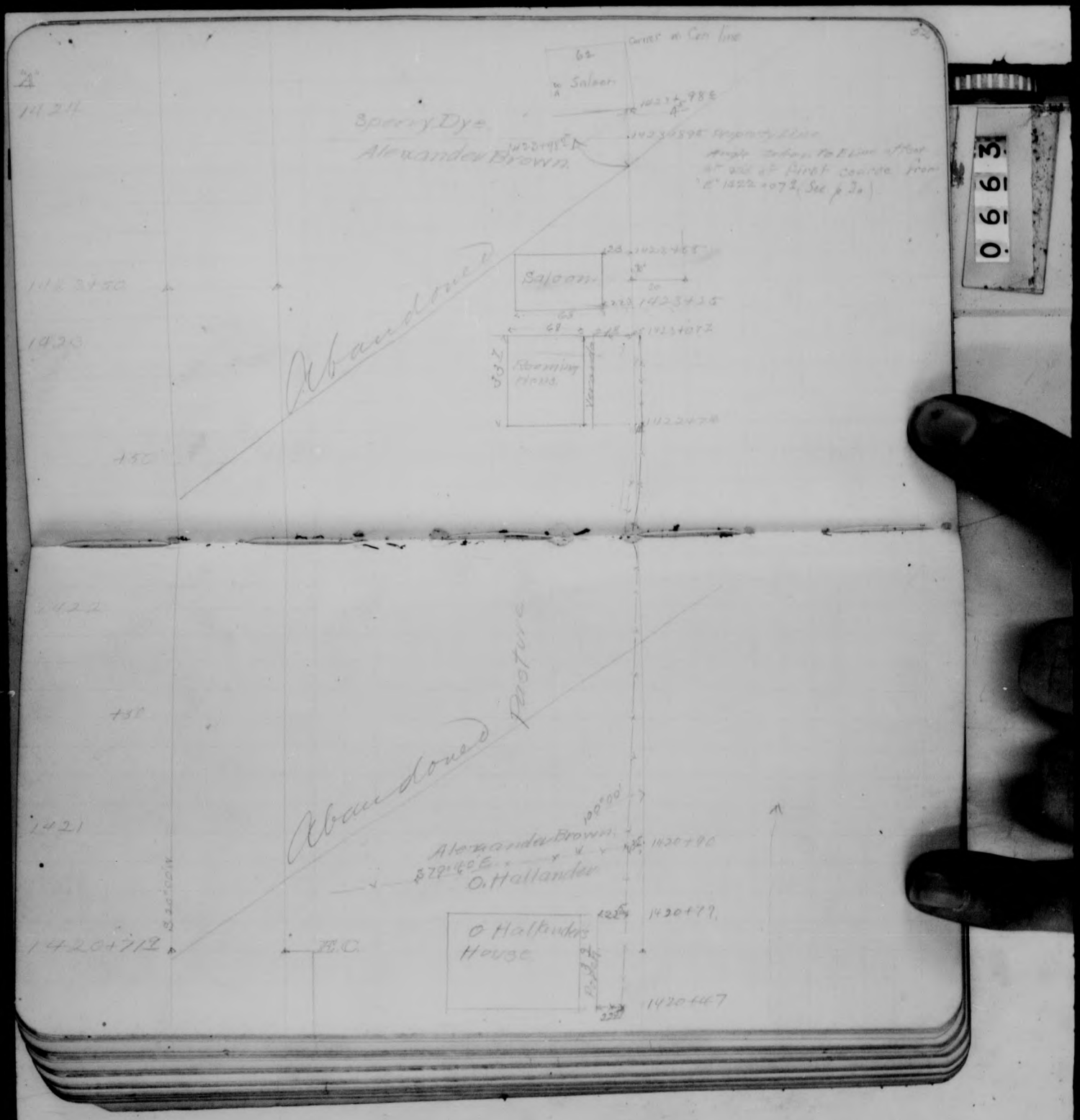
Blacksmith Shop
O. Hallowell

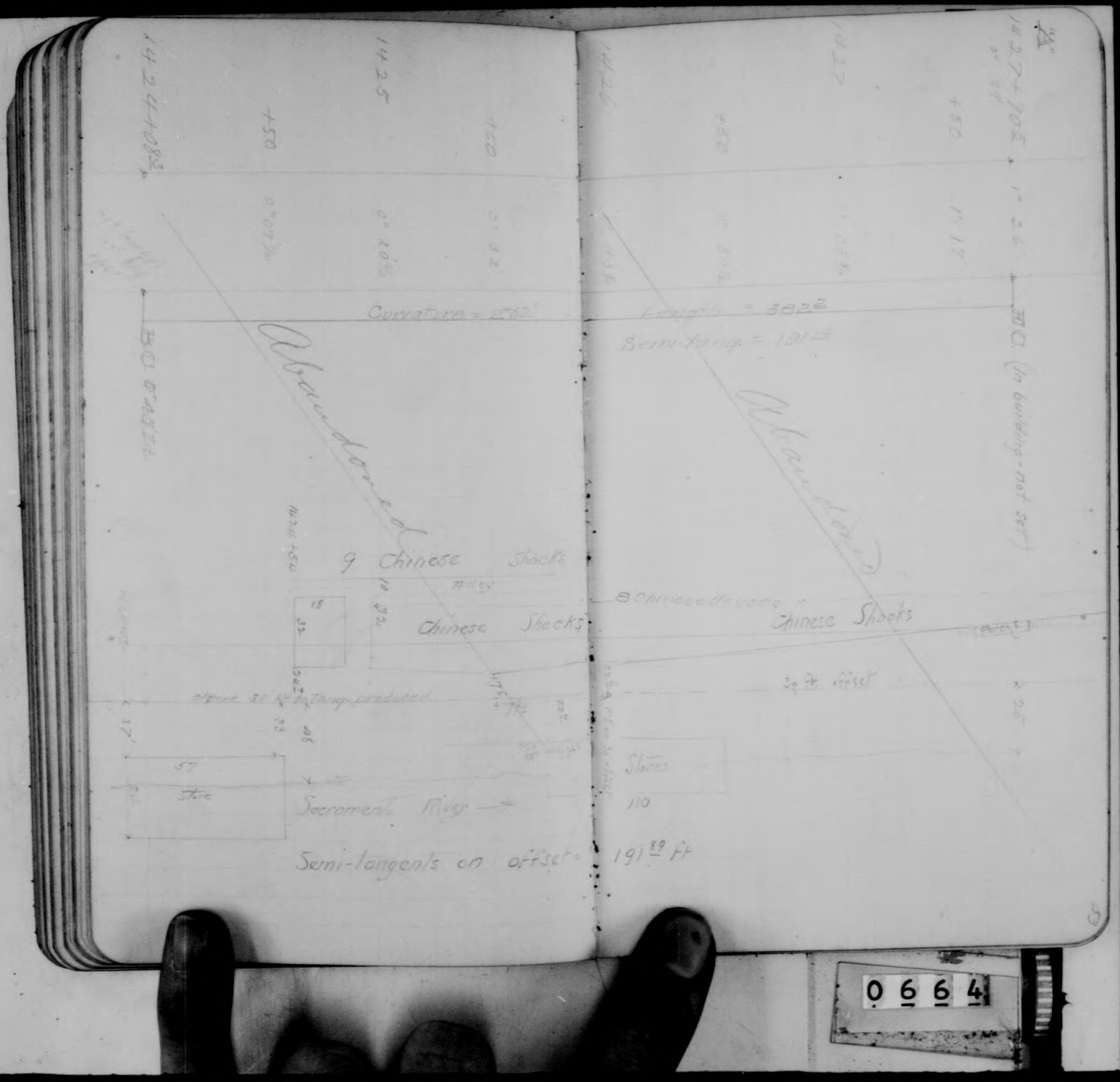
Joseph Wise

Levee Road

Angles to property lines here are taken from Tangent ahead produced back.

0662


Corner in Cen line
62
Saloon
1423+98 E
Sperry Dye
Alexander Brown
1422+98 E
1423+89 E Property Line
Angle Station to Base Line after
at end of First course from
'E' 1422+072 (See p 2a)
Abandoned
Saloon
28
1422+68
38'
20
1423+25
63
48
48
1423+072
Blacksmith Shop
Veranda
1422+78
1422
Abandoned Pasture
100°00'
Alexander Brown
S 72°40' E
O. Hallander
1420+90
1420+79
O Hallanders House
Blacksmith
1420+47
1420+12
B.C.


Curvature = 2°82'
Abandoned
9 Chinese Shacks
Chinese Shacks
Sacramento River
Semi-tangents on offset = 191.89 ft
Length = 3022
Semi-tang = 1914
Abandoned
Chinese Shacks
30 ft offset
Stores
110
0664

1429
+50
+29
1428
S17°30W - Mag.
5 Japanese Houses
Chinese Gambling Houses
Property Line
Sharp Roadway
Sperry Dye
10 gilled 10 Pinned Sheets
Offset Line
Alexander
5 Japanese Houses
Ferry
0665

1432

+50

+61

+50

Abandoned

Alex Brown

B W Sharp

Line of Property

37

50

26 Dwelling

Posts

River

38

Wharf

35

Shed

1433

+50

S27°45'W

97c

Abandoned

Mrs. Louise Brown

Hall

Hotel

35

39

12675

N 37° 10' E

California Fruit-Canners Association

Wharf

Warehouse

open

0666

Abandoned
Brick Store
P.O. Off.
Church
Lawn
Wharf
Warehouse
Open
Open Wharf
Gangway
Abandoned
C.B. Lords Residence
Garden
Lawn
BCTR.
0667

Curvature = 3°20'

C.C. 5°11.

Butcher Shop

Blacksmith Shop

Dwelling

Road

Curvature = 35°11'
Length = 7033
Total Curvature = 41°11
Semi-tangt. = 490 86

Main Curve

Pear Orchard

Pasture

Garden

Frame Dwelling

Barn

Back Track Parallel

0668

1+00	15° 50½'	
1+50	14° 35½'	
1+44	13° 20½'	
1+50	12° 05½'	

Abandoned Pear Orchard

1+03	10° 50½'	
1+00	9° 35½'	
1+02	8° 20½'	
1+41+50	7° 05½'	

Abandoned Pear Orchard and Pasture

0669

+50

1447 +

1446+90E

+10E

+30E

1446+00E

1445+70E

1445+50

B.23°50'E

Curvature - 3°00'

P.C.

Abandoned

Abandoned

C.C.T.2

17°35½'

17°05'

0670

"A"

14+50 1° 34'

+50 0° 17'

1449+37 ℄ CC 5° Rt.

1449+07 ℄

Abandoned

Private Road

Taper 2 Curves to

+77 ℄

+47 ℄

Orchard. Trees cut down - Destroyed

End of Bartlett Pear Orchard

Trees 15 yrs. old.

1448+17 ℄ BC 7°2.

Oct. 1/04.
Sept. 30/05

Survey

1448

T 1790

Main Curve. Curvature = 24°03'
Length = 481.2
Total Curvature = 86°03'
Semi-tang. +t = 367.2

Abandoned

Abandoned

Levee Road

0672

Taper = 2. Curvature = 3°00'

Abandoned

Abandoned

Note. The Topography shown on E. Line Tangent which is the Tangent Grade to this curve produced back.

0673

S. 27°46'W.
372

Alexander Brown's Land

S. 62°15'E.
8982

N. 62°15'W. 11322

Note: On course 14 a connection with Alexander Brown's Land was made by a line 8982 ft. and is of course the same as course 14 of Alexander Brown's Land.

N. 62°15'W.
430

Iron pipe in ground at joint of edge of road and ℄ of Levee = beginning of land surv'd.

S. 56°00'E.
2638

N. 37°10'E.
12672

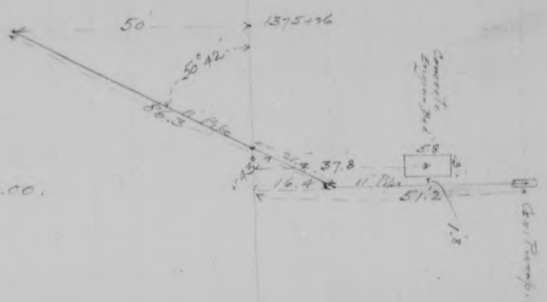
℄ Line

Note The notes of Alexander Brown's land survey as given below were copied from his Deed (Exh. 194)

Sta. Location of Geo. N. Locke's Irrigation Pump & 11" Pipe. (Riveted)

from page 13.

E 1375+26



E 1374+84.8 Cen: 11" Pipe (Riveted Steel)

E 1374+70.1 Elev: Top of Pipe 19.00.

0675

"D"

1013+69.4 B.C. | 0°. 36' LE

+50

alignment

1013

"D" 1012+62.8 Δ on Tang.

"E" 1012+62.8 B.C. 1°. Rt. —

0676

"D"

+50	2° 20'
1021	2° 11½'
+50	2° 02'
1020	1° 53½'
+91	
+50	1° 44'
1019	1° 35½'
+50	1° 26'
1018	1° 17½'
+50	1° 08½'
+30	
1017	0° 59½'
+50	0° 50½'
1016	0° 41½'
+50	0° 32½'
1015	0° 23½'
+50	0° 14½'
1014	0° 05½'

← This portion of Line ✱ Line backed in Not staked

23⁸ Ft.

Store and Post Office (Brick foundation)

Houston's Hall

11⁵ Ft.

I. C = 9° 20'

0671

"D" Line

"E" 1029+34.8

B.C 0°.36' Lt — End of "D" Line

on 0°.36 Curve =

"D" 1029+25.2	4°.40'
1029+00	4°.35½'
+50	4°.26'
1028+00	4°.17½'
+50	4°.08'
1027	3°.59½'
+50	3°.50'
1026	3°.41½'
+50	3°.32'
1025	3°.23½'
+50	3°.14'
1024	3°.04½'
+50	2°.56'
1023	2°.47½'
+50	2°.38'
1022	2°.29½'

Abandoned

0678